

IPP

INTERMOUNTAIN POWER PROJECT
A DEVELOPMENT OF INTERMOUNTAIN POWER AGENCY

Construction Site
Rt. 1, Box 824
Delta, Utah 84624
(801) 864-4511

November 14, 1986

~~12,000~~
32,0408

Mr. Brent C. Bradford
Executive Secretary
Utah Air Conservation Committee
288 North 1460 West
Salt Lake City, Utah 84116-0700

SPM #1510

Dear Mr. Bradford:

Intermountain Generating Station (IGS)
Diesel Generator Installation

This is to advise you of a diesel-powered generator which is planned to be installed at IGS. The additional generator is necessary due to insufficient power from present emergency generators for safe and orderly shutdowns during blackout conditions.

This generator, which is identical to two other diesel generators presently in use at IGS, is not reasonably expected to become a source of air pollution due to its infrequent use; however, the following information is provided for your independent evaluation:

The generator will be driven by an Electro-Motive Division Model S20-645F4B diesel engine rated at 4,000 brake horsepower (BHP) at 900 rpm, 20-cylinder, turbocharged, 2-cycle, 9-1/16-inch bore by 10-inch stroke. The manufacturer has provided the following emissions data in G/BHP-hr, dry basis, 90°F air temperature at sea level:

Nitrogen oxides as NO - 16.6
Carbon monoxide - 0.34
Hydrocarbons as CH - 0.16

Sulfur dioxide emissions will be controlled by limiting the diesel fuel sulfur content to not more than 0.58 percent by weight since these engines will have the same fuel supply as the auxiliary boilers (reference Modified Approval Order, Condition No. 17). Testing of each engine will be performed every two weeks with an estimated operating duration of one hour.

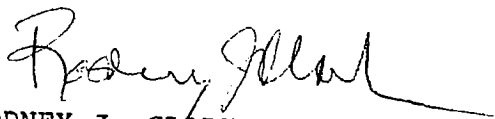
Mr. Brent C. Bradford

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If you or your staff require additional information, please contact Mr. Roger T. Pelote at (213) 481-3412.

Sincerely,



RODNEY J. CLARK
Site Project Manager

BEK:tas

cc: Mr. Roger T. Pelote

bcc: J. H. Anthony
T. R. Irwin
J. P. Schneider
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IPP Files
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